

Dynamic Cropping Systems: Principles, Processes, and Challenges.

A Cropping Systems Symposium, August 4-7, 2003, Bismarck, ND

Tentative Program

Monday evening, August 4, 2003

Reception for Symposium, 6:00 p.m., Snacks

Tuesday, August 5, 2003

Welcome Remarks

Will Blackburn, USDA-ARS, Fort Collins, CO

Introduction to Dynamic Cropping Systems as part of integrated agricultural systems.

Jon Hanson, USDA-ARS, Mandan, ND

Session 1 Environmental awareness: Defining agroecoregions

Sharon Waltman, USDA-NRCS, Lincoln, NE

Glenn Padbury, Agric. and Agri-Food Can., Saskatoon, SK

Session 2a Diversity: Soil and crop management

Landscapes, soil and water conservation, and diversity

Gary Peterson, Colorado State Univ., Fort Collins, CO

Fertility, nutrient movement issues and diversity

Dwayne Westfall, Colorado State Univ., Fort Collins, CO

Soil biology and diversity

Jill Clapperton, Agric. and Agri-Food Can., Lethbridge, AB

Session 2b Diversity: Pest management

Disease management and diversity

T. Kelly Turkington, Agric. and Agri-Food Can., Lacombe, AB

Insect management and diversity

Owen Olfert, Agric. and Agri-Food Can., Saskatoon, SK

Weed management, GM crops

Bob Blackshaw, Agric. and Agri-Food Can., Lethbridge, AB

Session 3 Adaptability (flexibility) and cropping systems

Canadian Prairies

Stewart Brandt, Agric. and Agri-Food Can., Scott, SK

Western USA

Perry Miller, Montana State Univ., Bozeman, MT

Northern/Central Plains USA

Donald Tanaka, USDA-ARS, Mandan, ND

Southern Plains USA

Louis Baumhardt, USDA-ARS, Bushland, TX

Session 4 Poster Session

Wednesday, August 6, 2003

Session 5 Reducing input costs

Multiple enterprises

Patrick Carr, North Dakota State Univ., Dickinson, ND

Reducing input costs

Martin Entz, Univ. of Manitoba, Winnipeg, MB

Session 6 Information awareness

Managing risk

Elwin Smith, Agric. and Agri-Food Can., Lethbridge, AB

Dave Archer, USDA-ARS, Morris, MN

Potential crops for the future

Steven Cermak, USDA, National Center for Agric. Utilization Res., Peoria, IL

Crop Sequence Calculator

Joe Krupinsky, USDA-ARS, Mandan, ND

Session 7 Networking

Canadian Soil and Crop Network Overview

T. Kelly Turkington, Agric. and Agri-Food Can., Lacombe, AB

Western Canadian Long Term Rotation Research Network Overview

Stewart Brandt, Agric. and Agri-Food Can., Scott, SK

Great Plains Systems Network Overview

Joe Krupinsky, USDA-ARS, Mandan, ND

GPSN Soil Quality Study

Brian Wienhold, USDA-ARS, Lincoln, NE

Breakout sessions

Wednesday evening

Optional dinner (pitchfork fondue) at the Northern Great Plains Research Laboratory, Mandan, ND (anticipated fee of \$20.00)

Field tour at the Northern Great Plains Research Laboratory, Mandan, ND

Diverse Cropping Systems for the Northern Great Plains

Integrated Forage, Crop, and Livestock Systems for Northern Great Plains

Thursday, August 7, 2003

Session 8 Visions for the future

George Clayton, Agric. and Agri-Food Can., Lacombe Res. Centre, Lacombe, AB

Mike Jawson, National Program Staff, USDA-ARS, Beltsville, MD

Bob Wright, National Program Staff, USDA-ARS, Beltsville, MD

Session 9 Discussion

Moderator, Mark Liebig, USDA-ARS, Mandan, ND

Comments from panel

Open discussion

Summary and closing remarks, Jon Hanson, USDA-ARS, Mandan, ND